PCT10

CRF Error Corrected by the STIC Syst ms Branch

CRF Processing Date: 2/3/03

Serial Numb r: 10/019,596A

Edited by: _____

Verified by: DC (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____

_____

_____

_____

***Examin r: The abov corrections must be communicated to th applicant in th first Offic Action. DO NOT send a copy of this form.**

3/1/95

PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/019,596A

DATE: 02/03/2003
TIME: 10:31:18

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\02032003\J019596A.raw

```
  3 <110> APPLICANT: University of Zurich
  5 <120> TITLE OF INVENTION: Hetero-associating coiled coil peptides
  7 <130> FILE REFERENCE: D 2398 PCT
  9 <140> CURRENT APPLICATION NUMBER: US/10/019,596A
 10 <141> CURRENT FILING DATE: 2002-07-11
 12 <160> NUMBER OF SEQ ID NOS: 36
 14 <170> SOFTWARE: PatentIn version 3.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 32
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <221> NAME/KEY: PEPTIDE
 23 <222> LOCATION: (1)..(32)
 24 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
 25       construct
 27 <220> FEATURE:
W--> 28 <221> NAME/KEY: PEPTDIE
 29 <222> LOCATION: (1)..(32)
 30 <223> OTHER INFORMATION: Xaa at positions 5, 7, 12, 14, 19, 21, 26 and
 31       28 represents a mixture of glu, lys, gln or arg
 33 <220> FEATURE:
W--> 34 <221> NAME/KEY: PEPTDIE
 35 <222> LOCATION: (1)..(32)
 36 <223> OTHER INFORMATION: Xaa at position 15 represents a mixture of asn or val
 38 <400> SEQUENCE: 1
W--> 39 Val Ala Gln Leu Xaa Glu Xaa Val Lys Thr Leu Xaa Ala Xaa Xaa Tyr
 40   1               5                  10                  15
W--> 42 Glu Leu Xaa Ser Xaa Val Gln Arg Leu Xaa Glu Xaa Val Ala Gln Leu
 43              20                  25                  30
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 32
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <221> NAME/KEY: PEPTIDE
 54 <222> LOCATION: (1)..(32)
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic construct
 57 <220> FEATURE:
 58 <221> NAME/KEY: PEPTIDE
 59 <222> LOCATION: (1)..(32)
 60 <223> OTHER INFORMATION: Xaa at positions 5, 7, 12, 14, 19, 21, 26 and
 61       28 represents a mixture of glu, lys, gln or arg
```

RAW SEQUENCE LISTING DATE: 02/03/2003
PATENT APPLICATION: **US/10/019,596A** TIME: 10:31:18

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\02032003\J019596A.raw**

64 <220> FEATURE:
65 <221> NAME/KEY: PEPTIDE
66 <222> LOCATION: (1)..(32)
67 <223> OTHER INFORMATION: Xaa at position 15 represents a mixture of asn or val
69 <400> SEQUENCE: 2
W--> 70 Val Asp Glu Leu Xaa Ala Xaa Val Asp Gln Leu Xaa Asp Xaa Xaa Tyr
71 1 5 10 15
W--> 73 Ala Leu Xaa Thr Xaa Val Ala Gln Leu Xaa Lys Xaa Val Glu Lys Leu
74 20 25 30
78 <210> SEQ ID NO: 3
79 <211> LENGTH: 32
80 <212> TYPE: PRT
81 <213> ORGANISM: artificial sequence
83 <220> FEATURE:
84 <221> NAME/KEY: PEPTIDE
85 <222> LOCATION: (1)..(32)
86 <223> OTHER INFORMATION: hetero-associating (poly)peptide
88 <400> SEQUENCE: 3
90 Val Ala Gln Leu Glu Glu Lys Val Lys Thr Leu Arg Ala Gln Asn Tyr
91 1 5 10 15
93 Glu Leu Lys Ser Arg Val Gln Arg Leu Arg Glu Gln Val Ala Gln Leu
94 20 25 30
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 32
99 <212> TYPE: PRT
100 <213> ORGANISM: artificial sequence
102 <220> FEATURE:
103 <221> NAME/KEY: PEPTIDE
104 <222> LOCATION: (1)..(32)
105 <223> OTHER INFORMATION: hetero-associating (poly)peptide
107 <400> SEQUENCE: 4
109 Val Ala Gln Leu Arg Glu Arg Val Lys Thr Leu Arg Ala Gln Asn Tyr
110 1 5 10 15
112 Glu Leu Glu Ser Glu Val Gln Arg Leu Arg Glu Gln Val Ala Gln Leu
113 20 25 30
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 32
118 <212> TYPE: PRT
119 <213> ORGANISM: artificial sequence
121 <220> FEATURE:
122 <221> NAME/KEY: PEPTIDE
124 <222> LOCATION: (1)..(32)
125 <223> OTHER INFORMATION: hetero-associating (poly)peptide
127 <400> SEQUENCE: 5
129 Val Ala Gln Leu Gln Glu Lys Val Lys Thr Leu Arg Ala Arg Asn Tyr
130 1 5 10 15
132 Glu Leu Lys Ser Glu Val Gln Arg Leu Glu Glu Lys Val Ala Gln Leu
133 20 25 30
136 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING DATE: 02/03/2003
PATENT APPLICATION: US/10/019,596A TIME: 10:31:18

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\02032003\J019596A.raw

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137 <211> LENGTH: 32
138 <212> TYPE: PRT
139 <213> ORGANISM: artificial sequence
141 <220> FEATURE:
142 <221> NAME/KEY: PEPTIDE
143 <222> LOCATION: (1)..(32)
144 <223> OTHER INFORMATION: hetero-associating (poly)peptide
146 <400> SEQUENCE: 6
148 Val Ala Gln Leu Glu Glu Gln Val Lys Thr Leu Gln Ala Arg Asn Tyr
149 1               5                  10                  15
151 Glu Leu Lys Ser Lys Val Gln Arg Leu Lys Glu Lys Val Ala Gln Leu
152             20                  25                  30
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 32
157 <212> TYPE: PRT
158 <213> ORGANISM: artificial sequence
160 <220> FEATURE:
161 <221> NAME/KEY: PEPTIDE
162 <222> LOCATION: (1)..(32)
163 <223> OTHER INFORMATION: hetero-associating (poly)peptide
165 <400> SEQUENCE: 7
167 Val Ala Gln Leu Glu Glu Arg Val Lys Thr Leu Arg Ala Gln Asn Tyr
168 1               5                  10                  15
170 Glu Leu Lys Ser Lys Val Gln Arg Leu Glu Glu Gln Val Ala Gln Leu
171             20                  25                  30
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 32
176 <212> TYPE: PRT
177 <213> ORGANISM: artificial sequence
179 <220> FEATURE:
180 <221> NAME/KEY: PEPTIDE
181 <222> LOCATION: (1)..(32)
182 <223> OTHER INFORMATION: hetero-associating (poly)peptide
184 <400> SEQUENCE: 8
186 Val Ala Gln Leu Glu Glu Gln Val Lys Thr Leu Glu Ala Glu Asn Tyr
187 1               5                  10                  15
189 Glu Leu Lys Ser Lys Val Gln Arg Leu Arg Glu Arg Val Ala Gln Leu
190             20                  25                  30
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 32
195 <212> TYPE: PRT
196 <213> ORGANISM: artificial sequence
198 <220> FEATURE:
199 <221> NAME/KEY: PEPTIDE
200 <222> LOCATION: (1)..(32)
201 <223> OTHER INFORMATION: hetero-associating (poly)peptide
203 <400> SEQUENCE: 9
205 Val Ala Gln Leu Gln Glu Gln Val Lys Thr Leu Glu Ala Gln Asn Tyr
206 1               5                  10                  15
```

RAW SEQUENCE LISTING DATE: 02/03/2003
PATENT APPLICATION: US/10/019,596A TIME: 10:31:19

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\02032003\J019596A.raw

```
208 Glu Leu Glu Ser Glu Val Gln Arg Leu Lys Glu Gln Val Ala Gln Leu
209             20                  25                  30
212 <210> SEQ ID NO: 10
213 <211> LENGTH: 32
214 <212> TYPE: PRT
215 <213> ORGANISM: artificial sequence
217 <220> FEATURE:
218 <221> NAME/KEY: PEPTIDE
219 <222> LOCATION: (1)..(32)
220 <223> OTHER INFORMATION: hetero-associating (poly)peptide
222 <400> SEQUENCE: 10
224 Val Ala Gln Leu Glu Glu Arg Val Lys Thr Leu Lys Ala Glu Asn Tyr
225 1               5                   10                  15
227 Glu Leu Glu Ser Glu Val Gln Arg Leu Lys Glu Arg Val Ala Gln Leu
228             20                  25                  30
231 <210> SEQ ID NO: 11
232 <211> LENGTH: 32
233 <212> TYPE: PRT
234 <213> ORGANISM: artificial sequence
236 <220> FEATURE:
237 <221> NAME/KEY: PEPTIDE
238 <222> LOCATION: (1)..(32)
239 <223> OTHER INFORMATION: hetero-associating (poly)peptide
241 <400> SEQUENCE: 11
244 Val Ala Gln Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Lys Asn Tyr
245 1               5                   10                  15
247 Glu Leu Lys Ser Lys Val Gln Arg Leu Lys Glu Lys Val Ala Gln Leu
248             20                  25                  30
251 <210> SEQ ID NO: 12
252 <211> LENGTH: 32
253 <212> TYPE: PRT
254 <213> ORGANISM: artificial sequence
256 <220> FEATURE:
257 <221> NAME/KEY: PEPTIDE
258 <222> LOCATION: (1)..(32)
259 <223> OTHER INFORMATION: hetero-associating (poly)peptide
261 <400> SEQUENCE: 12
263 Val Ala Gln Leu Gln Glu Glu Val Lys Thr Leu Gln Ala Glu Asn Tyr
264 1               5                   10                  15
266 Glu Leu Arg Ser Glu Val Gln Arg Leu Glu Glu Glu Val Ala Gln Leu
267             20                  25                  30
270 <210> SEQ ID NO: 13
271 <211> LENGTH: 32
272 <212> TYPE: PRT
273 <213> ORGANISM: artificial sequence
275 <220> FEATURE:
276 <221> NAME/KEY: PEPTIDE
277 <222> LOCATION: (1)..(32)
278 <223> OTHER INFORMATION: hetero-associating (poly)peptide
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RAW SEQUENCE LISTING DATE: 02/03/2003
PATENT APPLICATION: US/10/019,596A TIME: 10:31:19

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\02032003\J019596A.raw

```
280 <400> SEQUENCE: 13
282 Val Ala Gln Leu Arg Glu Arg Val Lys Thr Leu Arg Ala Arg Asn Tyr
283 1               5                  10                  15
285 Glu Leu Gln Ser Lys Val Gln Arg Leu Lys Glu Arg Val Ala Gln Leu
286             20                  25                  30
289 <210> SEQ ID NO: 14
290 <211> LENGTH: 32
291 <212> TYPE: PRT
292 <213> ORGANISM: artificial sequence
294 <220> FEATURE:
295 <221> NAME/KEY: PEPTIDE
296 <222> LOCATION: (1)..(32)
297 <223> OTHER INFORMATION: hetero-associating (poly)peptide
299 <400> SEQUENCE: 14
301 Val Asp Glu Leu Gln Ala Glu Val Asp Gln Leu Gln Asp Glu Asn Tyr
302 1               5                  10                  15
304 Ala Leu Lys Thr Lys Val Ala Gln Leu Arg Lys Lys Val Glu Lys Leu
305             20                  25                  30
308 <210> SEQ ID NO: 15
309 <211> LENGTH: 32
310 <212> TYPE: PRT
311 <213> ORGANISM: artificial sequence
313 <220> FEATURE:
314 <221> NAME/KEY: PEPTIDE
315 <222> LOCATION: (1)..(32)
316 <223> OTHER INFORMATION: hetero-associating (poly)peptide
318 <400> SEQUENCE: 15
320 Val Asp Glu Leu Lys Ala Glu Val Asp Gln Leu Gln Asp Gln Asn Tyr
321 1               5                  10                  15
323 Ala Leu Arg Thr Lys Val Ala Gln Leu Arg Lys Glu Val Glu Lys Leu
324             20                  25                  30
327 <210> SEQ ID NO: 16
328 <211> LENGTH: 32
329 <212> TYPE: PRT
330 <213> ORGANISM: artificial sequence
332 <220> FEATURE:
333 <221> NAME/KEY: PEPTIDE
334 <222> LOCATION: (1)..(32)
335 <223> OTHER INFORMATION: hetero-associating (poly)peptide
337 <400> SEQUENCE: 16
339 Val Asp Glu Leu Glu Ala Glu Val Asp Gln Leu Lys Asp Gln Asn Tyr
340 1               5                  10                  15
342 Ala Leu Lys Thr Lys Val Ala Gln Leu Gln Lys Gln Val Glu Lys Leu
343             20                  25                  30
346 <210> SEQ ID NO: 17
347 <211> LENGTH: 32
348 <212> TYPE: PRT
349 <213> ORGANISM: artificial sequence
351 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/03/2003
PATENT APPLICATION: US/10/019,596A TIME: 10:31:20

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\02032003\J019596A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5,7,12,14,15,19,21,26,28
Seq#:2; Xaa Pos. 5,7,12,14,15,19,21,26,28
Seq#:25; N Pos. 17,18,19,23,24,25,38,39,40,44,45,46,47,48,49,59,60,61,65,66
Seq#:25; N Pos. 67,79,80,81,85,86,87
Seq#:26; Xaa Pos. 5,7,12,14,15,19,21,26,28
Seq#:27; N Pos. 17,18,19,23,24,25,38,39,40,44,45,46,47,48,49,59,60,61,65,66
Seq#:27; N Pos. 67,79,80,81,85,86,87
Seq#:28; Xaa Pos. 5,7,12,14,15,19,21,26,28

VERIFICATION SUMMARY DATE: 02/03/2003
PATENT APPLICATION: **US/10/019,596A** TIME: 10:31:20

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\02032003\J019596A.raw**

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L:28 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:34 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:16
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:16
```

PCT10

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/019,596A

DATE: 01/23/2003
TIME: 13:47:15

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF4\01232003\J019596A.raw

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  3 <110> APPLICANT: University of Zurich
  5 <120> TITLE OF INVENTION: Hetero-associating coiled coil peptides
  7 <130> FILE REFERENCE: D 2398 PCT
  9 <140> CURRENT APPLICATION NUMBER: US/10/019,596A
 10 <141> CURRENT FILING DATE: 2002-07-11
 12 <160> NUMBER OF SEQ ID NOS: 36
 14 <170> SOFTWARE: PatentIn version 3.0
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ERRORED SEQUENCES

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720 <210> SEQ ID NO: 36
721 <211> LENGTH: 37
722 <212> TYPE: PRT
724 <213> ORGANISM: artificial sequence
726 <220> FEATURE:
727 <221> NAME/KEY: PEPTIDE
728 <222> LOCATION: (1)..(37)
729 <223> OTHER INFORMATION: N-acetylated and C-amidated synthetic peptide
731 <400> SEQUENCE: 36
733 Ser Thr Ser Val Asp Glu Leu Gln Ala Glu Val Asp Gln Leu Gln Asp
734 1               5                  10                  15
736 Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln Leu Arg Lys Lys Val
737             20                  25                  30
739 Glu Lys Leu Ser Glu
740         35
E--> 755 (8) delete
```

VERIFICATION SUMMARY DATE: 01/23/2003
PATENT APPLICATION: **US/10/019,596A** TIME: 13:47:16

Input Set : **A:\pto.vsk.txt**
Output Set: **N:\CRF4\01232003\J019596A.raw**

L:28 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:34 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:16
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:16
L:755 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:36